

AB32_ARB_ETAAC - Derceto Technology for GHG Reduction.txt

Subject:
AB32/ARB/ETAAC - Derceto Technology for GHG Reduction
From:
Wayne Spittal <wspittal@derceto.com>
Date:
Wed, 14 Nov 2007 15:21:02 +1300
To:
schurch@arb.ca.gov

Dear Steve

I took your email from the ARB website in respect of ETAAC committee input coordination. I appreciate from that the timeline perspective, I may be late in wishing to add input but feel it is still relevant to assisting with the ARB's responsibilities under AB32 (in particular early action measures that can be implemented before 1/1/2010).

By way of introduction, we are a company bringing proven world-best technology to assist Water Utilities with energy management activates. As you know in California 20% of all electricity and 30% of all non-generation gas is used for water pumping, treatment conveyance etc. It's the second highest operating cost for water utilities behind labor.

Installation of our software at water utilities across the Nation has provided energy costs savings in the range of 10-20% and pure efficiency gains in the order of 8-9%. The latter resulting in less energy required to pump the same volume of water and hence a reduction in GHG emissions from the energy provider (see attached).

We currently have two main sites in California including Eastern Municipal Water District in Perris CA who where the 2007 Outstanding Energy Management Award winner from the California-Nevada Section of the American Water Works Association.
<http://www.derceto.com/cms/awards-reviews-column/242.html>

If our type of technology were extended to all electric pumps in CA then the GHG reduction would over 1,000,000 Tons per year (plus gas pumps). We are not talking about wholesale equipment changes here but rather dynamic optimization of pump and valve scheduling to shift load and improve overall efficiency of existing equipment (or even new more efficient equipment as it is phased in) and operational processes.

To make the story better, there is generally a payback of around 2 years on the investment.

Best regards,

Wayne Spittal
General Manager
Derceto
wspittal@derceto.com
T: +64-9-373 7154
F: +64-9-373 7101
M: +64-21-648 919 NZ
M: +1-856-952 9136 US
BB: +1-916-221 1959
www.derceto.com

CO2_GHG_factsheet.pdf

Content-Description:
CO2_GHG_factsheet.pdf

AB32_ARB_ETAAC - Derceto Technology for GHG Reduction.txt

Content-Type:

application/octet-stream

Content-Encoding:

base64